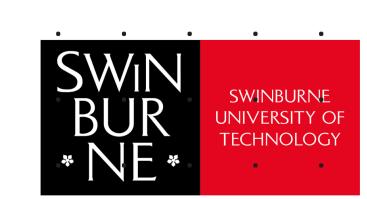


COS20007 Object-Oriented Programming

Topic 06 Part B

Responsibility Driven Design Activity



Activity: Design objects for...



Hospital Management System (HMS)

With functionalities of

- Patient Registration: add/update/delete
- Patient record management: add/update/delete
- Doctor and nurse information : add/update/delete.
 - Doctors: Neurologist, Pediatrics, Surgeon, Cardiologist, etc.
 - Nurse: Emergency nursing, Pediatric nursing, Surgical nurse, etc.
- Appointment Booking
 - Health Symptom: emergency, developed, mild, or regular visit
- Doctor and nurse assignment: who will assign the job (by Artificial Intelligent or by receptionists)
- Reception contact

Task 1: Identify candidate roles





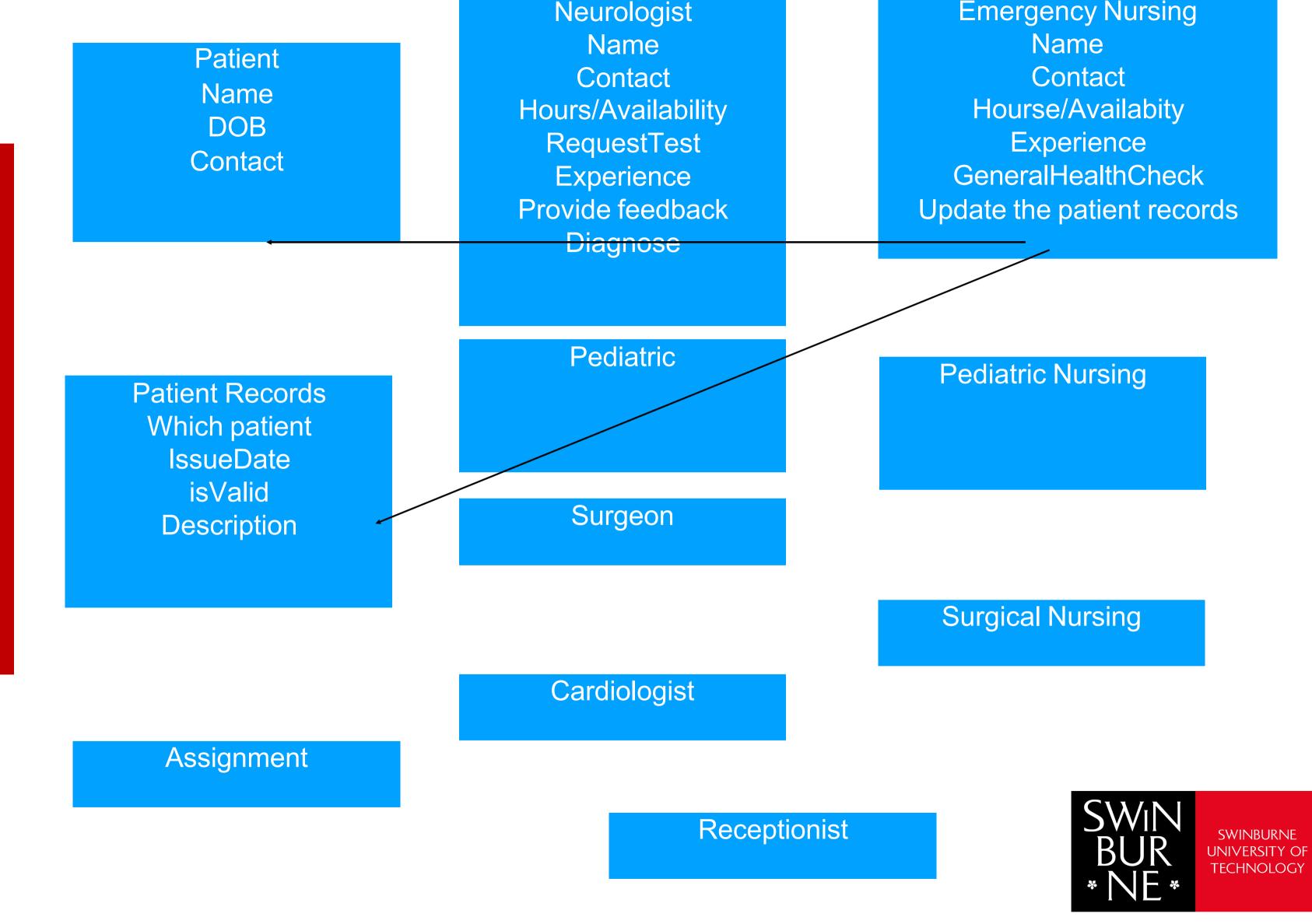


Task 2: Identify some responsibilities for the roles



Hospital

List of doctors
List of nurses
List of receptionist
Can add/remove patient
Can add/update patient
record
Can add/remove doctors
Can add/remove nurses
Can search for patient
Enable booking
Care assignment



Task 3: Identify some collaborations — How will objects work together?

